Applications
+ Conduct IAQ evaluations
+ Verify building HVAC system performance
+ Examine building IAQ conditions to optimize worker productivity
+ Comply with regulations and guidelines

Features and Benefits - All Models
+ Low-drift NDIR CO₂ sensor for stable, accurate readings
+ Sampling function records multiple point measurements
+ Ergonomic, overmolded case design

Models 7525 and 7545
+ Temperature and relative humidity measurements help determine thermal comfort
+ Calculates percentage outside air from either CO₂ or temperature
+ Directly calculates dew point and wet bulb temperatures
+ Electrochemical sensor measures CO (Model 7545)
+ Displays up to three parameters
+ TSI LogDat2™ software permits easy transfer of data to a computer
+ Data can be reviewed on-screen, or downloaded to a computer for easy report generation
+ Statistics function displays average, maximum and minimum values, and the number of recorded samples
**CO₂**
Sensor Type: Dual-wavelength NDIR (non-dispersive infrared)
Range: 0 to 5,000 ppm
Accuracy: ±3.0% of reading or ±50 ppm, whichever is greater
Resolution: 1 ppm
Response Time: 20 seconds

**Temperature (Models 7525 and 7545)**
Sensor Type: Thermistor
Range: 0 to 60°C (32 to 140°F)
Accuracy: ±0.5°C (±1.0°F)
Resolution: 0.1°C (0.1°F)
Response Time: 30 seconds (90% of final value, air velocity at 2 m/s [400 ft/min])

**Relative Humidity (Models 7525 and 7545)**
Sensor Type: Thin-film capacitive
Accuracy: ±3.0% RH
Resolution: 0.1% RH
Response Time: 20 seconds (for 63% of final value)

**Percentage Outside Air (Models 7525 and 7545)**
Range: 0 to 100%
Resolution: 0.1%

**CO (Model 7545 only)**
Sensor Type: Electro-chemical
Range: 0 to 500 ppm
Accuracy: ±3.0% of reading or ±3 ppm, whichever is greater
Resolution: 0.1 ppm
Response Time: <60 seconds to 90% step change

**Operating Temperature**
5 to 45°C (40 to 113°F)

**Storage Temperature**
-20 to 60°C (-4 to 140°F)

**Logging Capability (Models 7525 and 7545)**
Ranges: Model 7525 logs up to 30,300 data points with key (3) measured parameters enabled.
Model 7545 logs up to 26,900 data points with key (4) measured parameters enabled.
Time Constant: 1 sec, 5 sec, 10 sec, 20 sec, 30 sec (user selectable)
Log Intervals: 1 second up to 1 hour (user selectable)

**Meter Dimensions (all models)**
8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)

**Probe Dimensions (Model 7515)**
Length: 7.0 cm (2.75 in.)
Diameter: 1.9 cm (0.75 in.)

**Probe Dimensions (Models 7525 and 7545)**
Length: 17.8 cm (7.0 in.)
Diameter: 1.9 cm (0.75 in.)

**Weight (with batteries)**
0.27 kg (0.6 lbs)

**Power Requirements**
Model 7515: Four AA-size batteries
Models 7525 and 7545: Four AA-size batteries or AC adapter

Specifications are subject to change without notice.

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**UNDERSTANDING, ACCELERATED**

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